

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claims 1-6: (cancelled)

7. (currently amended) A lithium secondary battery comprising:

a battery case made solely of a single pipe;

an internal electrode body contained in the battery case and including a positive electrode, a negative electrode, and a separator made of porous polymer, the positive electrode and the negative electrode being wound or laminated through the separator so that the positive electrode and the negative electrode are not brought into direct contact with each other; and

first and second disks, whereby an outer structure comprising said disks and said battery case air-tightly encloses an entirety of a space defined within said outer structure, said internal electrode body and ~~said~~ an electrolyte being within said space;

wherein said battery case is composed of pure aluminum or aluminum alloy containing one or more components selected from manganese, magnesium, silicon and copper, and wherein a relationship of  $0.004 \leq t/d \leq 0.04$  is established where said battery case is cylindrical, its outer diameter is  $d$  (mm), and its wall thickness is  $t$  (mm).

8. (previously presented) A lithium secondary battery according to claim 7, wherein said positive active material comprises lithium-manganese oxide ( $\text{LiMn}_2\text{O}_4$ ).

9. (previously presented) A lithium secondary battery according to claim 8, wherein said positive active material further comprises acetylene black.